| In       | dex of Cla | aims |                            | Applic | atio | on/Control No.                        | Applicant(s)/Patent under Reexamination |          |  |  |  |  |
|----------|------------|------|----------------------------|--------|------|---------------------------------------|---|----------|--|--|--|--|
|          |            |      |                            | 10/78  | 4,09 | 99                                    | DU ET AL.                               |          |  |  |  |  |
|          |            |      |                            | Exami  | ner  | · · · · · · · · · · · · · · · · · · · | Art Unit                                |          |  |  |  |  |
|          |            |      |                            | Krysty | na   | Suchecki                              |   | 2882     |  |  |  |  |
| <b>√</b> | Rejected   |      | (Through nume<br>Cancelled | ral)   | N    | Non-Elected                           | A                                       | Appeal   |  |  |  |  |
| =        | Allowed    | ÷    | Restricted                 |        |      | Interference                          | o                                       | Objected |  |  |  |  |

| Cla  | im         | n Date   |          |   | Claim Date    |          |          |          |                |           |                 | Cla      | aim             |          | Date   |                |                  |                 |          |          |           |            |          |          |          |          |          |                 |          |                    |          |
|--|------------|----------|----------|---|---------------|----------|----------|----------|----------------|-----------|-----------------|----------|-----------------|----------|--|----------------|------------------|-----------------|----------|----------|-----------|------------|----------|----------|----------|----------|----------|-----------------|----------|--------------------|----------|
| Final  | Original   | 6/29/05  |          |   |               |          |          |          |                |           | Final           | Original |                 |          |  |                |                  |                 |          |          | Final     | Original   |          |          |          |          |          |                 |          |                    |          |
|  | 1          | +        | H        |   | 十             | +        | 7        | $\dashv$ | $\dashv$       | 1         |                 | 51       | H               | $\vdash$ | +  | $\top$         | $\top$           | Н               | $\top$   | $\dashv$ |           | 101        |          | -        |          | H        |          | H               | $\dashv$ | +                  | _        |
|  | 2          | +        | П        | 寸   | $\dashv$      | $\dashv$ |          | $\neg$   |                | _         |                 | 52       | П               |          | T  | T              |                  | П               | $\dashv$ | 7        |           | 102        |          |          | -        |          |          |                 | _        | _                  | _        |
|  | 3          | +        |          | 1   | T             | T        |          |          |                | 7         |                 | 53       | П               |          | T  | T              |                  | П               |          | 7        |           | 103        | $\Box$   | $\Box$   |          |          |          |                 |          | $\neg$             | _        |
|  | 4          | +        |          |   |               |          |          |          |                |           |                 | 54       |                 |          |  |                |                  |                 |          |          |           | 104        |          |          |          |          |          |                 |          | $\neg$             |          |
|  | 5          | +        |          |   |               |          |          |          |                |           |                 | 55       |                 |          |  |                | $\mathbf{I}_{-}$ |                 |          |          |           | 105        |          |          |          |          |          |                 |          | $\overline{\cdot}$ |          |
|  | 6          | +        |          | $\perp$   | _             | _        |          |          |                | _         |                 | 56       |                 |          |  |                |                  | Ш               |          | _        |           | 106        |          |          |          |          |          |                 |          |                    |          |
|  | 7          | +        | Ш        | 4   | $\perp$       | 4        |          |          |                | _         |                 | 57       | Щ               | _        | $\perp$  | $\perp$        | ┶                | Ш               |          | _        |           | 107        |          |          |          |          |          |                 | _        |                    | _        |
| <u> </u>   | 8          | +        | Щ        | 4   | -             | -        | _        |          | -              | 4         | <u> </u>        | 58       | Ш               | 4        | $\perp$  | $\perp$        | _                | -               | <b>-</b> | _        |           | 108        |          | _        |          |          |          |                 | _        | _                  |          |
|  | <b>σ</b> ( | +        |          | 4   | $\dashv$      | -1       | 4        |          | _              | 4         | <u> </u>        | 59       | $\vdash$        |          | -  |                |                  | Н               | _        | 4        | $\vdash$  | 109        |          | _        |          |          |          |                 | _        | 4                  |          |
| <u> </u>   | 10         | +        | $\dashv$ |   |               |          |          |          | $\dashv$       | $\dashv$  | -               | 60       | H               | +        | +  | <del>.  </del> | +-               | H               | -        | 4        | -         | 110        |          |          |          | Н        |          |                 | $\dashv$ | $\dashv$           | _        |
|  | 11<br>12   | +        | -        |   |               | $\dashv$ | $\dashv$ | $\dashv$ | +              | $\dashv$  | $\vdash$        | 61<br>62 | $\vdash \vdash$ | $\dashv$ | - -  | +              | +-               | $\vdash$        | $\dashv$ | $\dashv$ | $\vdash$  | 111<br>112 |          |          | _        | Н        |          | $\vdash \vdash$ | $\dashv$ | $\dashv$           | _        |
|  | 13         | +        | -        | $\dashv$  | +             | $\dashv$ | $\dashv$ | $\dashv$ | +              | $\dashv$  | $\vdash$        | 63       |                 | $\dashv$ | $\dashv$   | +-             | +-               | $\vdash$        | $\dashv$ | $\dashv$ | $\vdash$  | 113        |          |          | _        | $\vdash$ |          | $\vdash$        | $\dashv$ | +                  | _        |
|  | 14         | +        | $\vdash$ | +   | +             | $\dashv$ |          |          | $\dashv$       | $\dashv$  |                 | 64       | $\vdash \vdash$ | $\dashv$ | +  | ╁              | +-               | ╁╼┤             | +        | $\dashv$ | $\vdash$  | 114        | $\vdash$ |          | -        | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$ | +                  |          |
|  | 15         | +        | $\vdash$ | +   | +             | +        |          | $\neg$   | <del>-  </del> | ┪         |                 | 65       | $\vdash$        | 1        | +  | +              | +-               | ╁               | $\dashv$ | $\dashv$ | $\vdash$  | 115        |          | -        | -        | $\dashv$ |          | $\dashv$        | $\dashv$ | $\dashv$           | _        |
|  | 16         | +        | $\vdash$ | +   | 十             | 7        | 7        | $\dashv$ | +              | 1         |                 | 66       | -               | $\dashv$ | $\dashv$   | +              | +-               | $\vdash$        | +        | 1        | $\vdash$  | 116        |          |          | $\dashv$ | $\dashv$ | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$           | _        |
|  | 17         | +        | $\sqcap$ | 十   | $\top$        | $\top$   | $\dashv$ | $\dashv$ | 1              | 1         |                 | 67       | Н               | 寸        | $\top$   | T              | T                | Н               | 十        | 7        |           | 117        | H        | _        |          |          |          | $\vdash$        | 寸        | $\dashv$           | _        |
|  | 18         | +        |          | $\top$  | 十             | 寸        | $\neg$   |          |                | 1         |                 | 68       | П               | 1        | 1  | 1              | 1                | П               | 十        | 7        |           | 118        | $\dashv$ |          |          | $\Box$   |          | $\Box$          | $\dashv$ | $\dashv$           | _        |
|  | 19         | +        |          |   |               |          |          |          |                |           |                 | 69       |                 |          |  | 1.             |                  |                 |          |          |           | 119        |          |          |          |          |          |                 |          | 一                  | _        |
|  | 20         | +        |          | $oxed{oxed}$  | $oxed{oxed}$  |          |          |          |                |           |                 | 70       |                 |          | $oldsymbol{ol}}}}}}}}}}}}$ | Ι              |                  |                 |          |          |           | 120        |          |          |          |          |          |                 |          |                    | $\Box$   |
|  | 21         | +        | Д        | $\perp \Gamma$  | $\Box$        | $\bot$   | $\Box$   | $\Box$   | $\bot$         | _         |                 | 71       | Ш               | $\Box$   |  |                |                  |                 | $\Box$   |          |           | 121        |          |          |          |          |          |                 |          |                    |          |
| $ldsymbol{ld}}}}}}}}$ | 22         | +        | Ш        | $\perp$   | $\perp$       | $\perp$  |          | _        |                | _         |                 | 72       | Щ               |          |  |                |                  |                 | $\perp$  | _        |           | 122        |          |          |          |          |          |                 | $\Box$   | I                  |          |
|  | 23         | +        | $\sqcup$ | $\perp$   | 4             | 4        | _        |          | $\dashv$       | 4         | $\square$       | 73       | Щ               | $\dashv$ | 4  | _              | ↓_               | $\sqcup$        | $\perp$  | 4        | $\square$ | 123        | $\Box$   | _        | _        |          |          | $\sqcup$        |          |                    |          |
|  | 24         | +        | $\Box$   | - -   | - -           | -        | 4        | _        | _              | 4         |                 | 74       | Щ               | _        | _ _  | $\bot$         | ╄                | Ш               | _        | 4        |           | 124        |          | _        | _        |          | _        |                 | _        | _                  |          |
|  | 25         | +        | -        | +   | _             | +        | -        |          |                | 4         |                 | 75       | Н               | $\dashv$ | +  | +              | ┼                |                 | +        | 4        |           | 125        |          |          |          | _        |          |                 | -        | -                  |          |
| $\vdash$   | 26<br>27   | +        | $\dashv$ | +   | +             | -        |          |          | $\dashv$       | 4         |                 | 76       | Н               | -        | -  | +              | +                | $\vdash$        | +        | -        | -         | 126        |          | $\dashv$ |          |          | $\dashv$ |                 | -        | -                  |          |
| $\vdash$   | 28         | -        | $\dashv$ |   |               |          |          | $\dashv$ | -              | ┥         | $\vdash$        | 77<br>78 |                 | $\dashv$ | +  | +-             | -                | H               | +        | ┨        | $\vdash$  | 127<br>128 | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | -               | $\dashv$ | +                  |          |
|  | 29         |          | $\dashv$ | +   | +             | +        | $\dashv$ |          |                | -{        | -               | 79       | $\vdash$        | $\dashv$ | +  | +-             | ╁                | $\vdash$        | +        | ┥        | $\vdash$  | 129        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$        | ⊣        | -+                 | _        |
| <b> </b>   | 30         |          |          | +   | +             | $\dashv$ | ┪        | ┪        |                | ┥         | -               | 80       | $\dashv$        | $\dashv$ | +  | +              | ╁╌               | ┤               | +        | ┨        | $\vdash$  | 130        |          | $\dashv$ |          | -        |          |                 | -        | +                  | _        |
|  | 31         |          | $\dashv$ | $\pm$   | +             | 十        | $\dashv$ | _        |                | ┪         | -               | 81       | H               | $\dashv$ | +  | +              | ╁╌               | $\vdash$        |          | ┨        | $\vdash$  | 131        | $\dashv$ |          | $\neg$   |          | $\dashv$ |                 | -        | -                  | _        |
|  | 32         |          |          | $\top$  | ┪             | 7        | _        |          | 十              | ┪         |                 | 82       | $\Box$          | $\dashv$ | _  | ┰              | +                |                 | 1        | ┪        |           | 132        | 一        | $\dashv$ |          |          |          | $\dashv$        | $\dashv$ | $^{+}$             | _        |
|  | 33         |          |          | 十   | 1             | 1        | 7        | $\dashv$ | $\dashv$       | 7         |                 | 83       | П               |          | _  | 1              | $\top$           | П               | $\top$   | ヿ゙       |           | 133        |          | $\dashv$ |          | $\neg$   | $\neg$   | $\dashv$        | $\dashv$ | 十                  | _        |
|  | 34         |          |          |   |               | I        |          |          |                |           |                 | 84       |                 |          |  | $\perp$        |                  |                 |          |          |           | 134        |          |          |          |          |          |                 | 7        | 7                  | _        |
|  | 35         |          |          |   | Ι             |          | $\Box$   |          |                | ]         |                 | 85       |                 |          |  |                |                  |                 |          | ]        |           | 135        |          |          |          |          |          |                 |          |                    |          |
|  | 36         |          |          | $\bot \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | $\Box \Gamma$ | $\prod$  | $\Box$   | $\Box$   | $\perp$        | _]        |                 | 86       |                 | $\Box$   | $\perp$  | $\perp$        |                  |                 |          | _]       |           | 136        |          | $\Box$   |          |          |          |                 |          |                    | _        |
|  | 37         | Ш        | $\perp$  |   |               | $\perp$  | _[       | [        | $\perp$        | 4         |                 | 87       |                 |          |  | L              | 1                | Ш               | $\perp$  | _        |           | 137        | $\Box$   |          |          |          |          |                 | $\Box$   | $\Box$             |          |
|  | 38         | Щ        | $\dashv$ | $\bot$  | $\perp$       | $\perp$  | _        | _        | _              | 4         | $\square$       | 88       | Ш               | _        | 4  | _              | 1_               | Ш               |          | 4        |           | 138        | _        |          | _        |          |          | $\perp$         | $\bot$   | _[                 |          |
|  | 39         | $\Box$   | $\perp$  | +   | $\perp$       | $\perp$  | $\dashv$ | _        | 4              | 4         |                 | 89       | Ш               | _        | _  | $\bot$         | ╄                | Ш               | $\perp$  | 4        |           | 139        |          | _        |          | _        | _        |                 | _        | $\perp$            |          |
|  | 40         |          |          | -   | +             | 4        | _        | 4        | 4              | 4         |                 | 90       | $\sqcup$        | $\dashv$ | +  | +              | +                | $\sqcup$        |          | 4        |           | 140        |          | _        | _        | _        |          | _               | _        | $\perp$            |          |
|  | 41<br>42   | $\vdash$ | $\dashv$ | -   | - -           | +        | $\dashv$ | $\dashv$ | +              | ┥         | <b>  </b>       | 91<br>92 | Н               | $\dashv$ | +  | +              | +                | $\vdash \vdash$ | +        | 4        |           | 141        |          | $\dashv$ | _        | $\dashv$ |          | _               | $\dashv$ | +                  |          |
|  | 43         |          | -        | +   | +             | +        | $\dashv$ | -        |                | -         | $\vdash$        | 93       | $\dashv$        | $\dashv$ | +  | +              | +                | ⊢⊦              |          | -        | $\vdash$  | 142<br>143 |          |          | $\dashv$ |          |          | $\dashv$        | $\dashv$ |                    | _        |
| $\vdash$ $\dashv$  | 44         | $\vdash$ | $\dashv$ |   | - -           | ╁        | $\dashv$ | -        | $\dashv$       | -         | <del></del>     | 94       | $\dashv$        | $\dashv$ | +  | +              | +                | $\vdash \vdash$ | $\dashv$ | ┥        | $\vdash$  | 144        | $\dashv$ | -+       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | -+       | +                  | _        |
|  | 45         | $\dashv$ | $\dashv$ | +   | +             | 十        |          | $\dashv$ | +              | $\dashv$  | -               | 95       | ┥               | $\dashv$ | +  | ╁              | ╁                | H               | +        | $\dashv$ | $\vdash$  | 145        | $\dashv$ |          | -        | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | +                  |          |
| $\vdash$   | 46         | -        | $\dashv$ | 十   | +             | +        | $\dashv$ | $\dashv$ | $\dashv$       | $\exists$ | $\vdash \vdash$ | 96       | $\vdash$        | $\dashv$ | +  | +              | +                | $\vdash \vdash$ | -        | ┨        | $\vdash$  | 146        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -               | $\dashv$ | +                  | -        |
|  | 47         |          | $\dashv$ | +   | +             | +        | $\dashv$ | 7        | $\dashv$       | 1         | $\vdash$        | 97       | $\vdash$        | $\dashv$ | +  | +              | T                | $\vdash \dashv$ | -+       | $\dashv$ | $\vdash$  | 147        |          | $\dashv$ | +        | $\dashv$ | $\dashv$ |                 | $\dashv$ | +                  | -        |
|  | 48         |          | $\dashv$ | $\top$  | $\top$        | $\top$   | $\dashv$ | 一        | $\top$         | 1         | $\Box$          | 98       |                 | $\dashv$ | +  | +-             | +-               | H               | $\dashv$ | i i      |           | 148        | 十        | +        | $\dashv$ | ᅱ        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$           | -        |
|  | 49         | $\neg$   | $\neg$   | 十   | $\top$        | $\top$   | $\dashv$ | 7        |                | 7         | $\Box$          | 99       | $\Box$          | $\dashv$ | $\top$   | 十              | T                | П               | $\top$   | 1        |           | 149        | 7        | _        | ┪        | $\dashv$ | $\dashv$ | _               | $\dashv$ | $\dashv$           | $\dashv$ |
|  | 50         |          |          |   |               | _        | ╗        |          |                | 7         |                 | 100      |                 | $\neg$   | $\top$   | $\top$         | T                |                 |          | 1        |           | 150        | $\dashv$ | 7        | $\dashv$ | 一        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$           | $\dashv$ |
|  |            |          |          |   |               |          |          | _        |                | _         |                 |          |                 |          |  |                |                  | ш               |          |          |           |            | _        |          |          |          | _        |                 |          | L                  | _        |